

**Fig. 1**

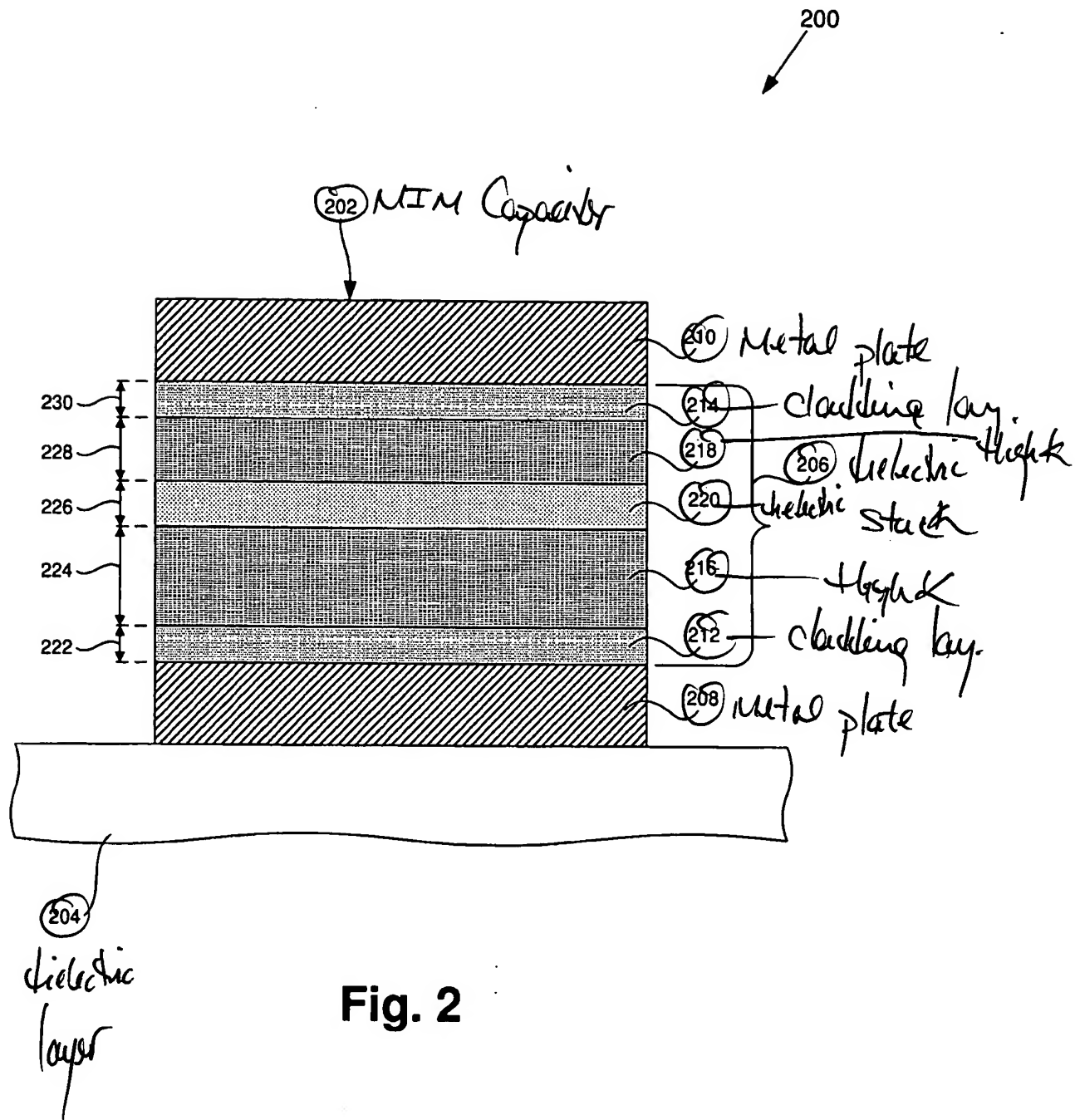
Pat. Art

$$106 = \text{TiN}$$

$$108 = \text{Al}_2\text{O}_3 = 112$$

$$110 = \text{Ta}_2\text{O}_5 \text{ or } \text{HfO}_2$$

$$114 = \text{TiN}$$

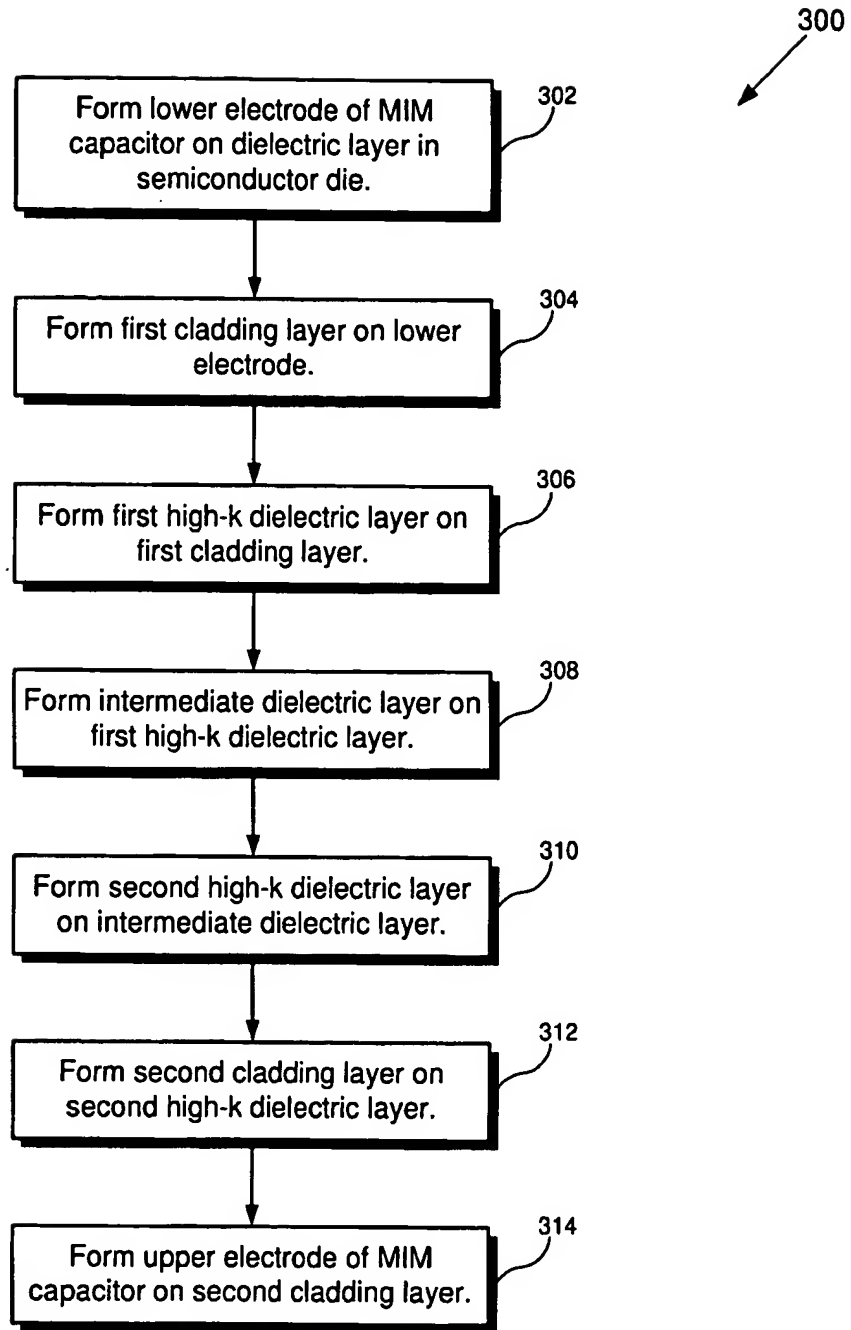


$$210 = 208 = \text{Ti/TiN} = \text{Ti/TiN/Al} = \text{Ti/TiN/Cu} \quad \left| \quad \begin{array}{l} 218 = \text{Ta}_2\text{O}_5 = \text{HfO}_2 \\ 214 = \text{Al}_2\text{O}_3 \end{array} \right.$$

$$212 = \text{Al}_2\text{O}_3$$

$$216 = \text{Ta}_2\text{O}_5$$

$$220 = \text{Al}_2\text{O}_3 = \text{ZrO}_2 = \text{Si}_3\text{N}_4 = \text{SiO}_2$$



**Fig. 3**